

## AdBlue

### General Description - Application

AdBlue is a 32.5% solution of urea in demineralized water. It is injected into the SCR catalyst (selective catalytic reduction catalyst) in the latest heavily loaded diesel vehicles (trucks, industrial vehicles and buses) in order to meet the requirement for emission according to the EURO 4, EURO 5 and EURO 6 standards.

AdBlue is filled into a special container in the vehicle. The adding amount is 4–5 volume % for the amount of fuel in vehicles with EURO 4 engine type and 5–6 volume % for the amount of fuel in vehicles with EURO 5 and EURO 6 engine type. It meets the requirements of the ISO 22241-1 specification.

Shelf life is 12 months, the storage temperature of -11 to 30 ° C.

### Performance Level - Specifications

DIN 70070

ISO 22241-1

Svojstva	AdBlue	Metoda
Appearance and color	clear, colorless	visual
Density at 20°C, g/cm <sup>3</sup>	1,087 – 1,093	ASTM D 4052
Refractive index at 20°C	1,3814 – 1,3843	ISO 5661
Urea content, %	31,8 – 33,2	DIN V 70071 Ann. B
Alkalinity as NH <sub>3</sub> , %	0,2 max.	DIN V 70071 Ann. D
Biuret, %	0,3 max.	DIN V 70071 Ann. E
Insolubles, mg/kg	20 max.	DIN V 70071 Ann. G
Aldehydes, mg/kg	5 max.	DIN V 70071 Ann. F
Phosphate (PO <sub>4</sub> <sup>3-</sup> ), mg/kg	0,5 max.	DIN V 70071 Ann. H
Content of Ca, Fe, Al, Mg, Na, K, mg/kg	0,5 max.	DIN V 70071 Ann. I
Content of Cu, Zn, Cr, Ni, mg/kg	0,2 max.	DIN V 70071 Ann. I

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.